



PATENT ABSTRACTS OF JAPAN

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(21) Application number: **2002256808**(22) Date of filing: **02.09.2002**(30) Priority: **31.08.2001 US 2001 944338**(71) Applicant: **SERMATECH INTERNATL INC**(72) Inventor: **KIRCHER THOMAS****(54) METHOD FOR FORMING LOCAL ALUMINIDE COVER**

(57) Abstract:

PROBLEM TO BE SOLVED: To provide a method for forming an aluminide cover on an objective surface present in a limited space of a metal substrate.

SOLUTION: (a) At least a part of a limited space of a metal substrate is sealed by covering the limited space by positioning a covering tape which is kept in non-

contact with the objective surface and (1) a mixture comprising (i) about 70 wt.% to about 99 wt.% of at least one kind of aluminum source containing about 20 wt.% to about 60 wt.% aluminum and (ii) about 1 wt.% to about 15 wt.% of at least one halogenated compound activator and (2) at least one kind of a binder are supplied; then, (b) the objective surface is heated to a temperature effective to react the aluminum source with the activator and the objective surface, thus forming an aluminide cover on the objective surface.

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